



# CoreLine SlimDownlight - the clear choice for LED

## CoreLine SlimDownlight

CoreLine SlimDownlight is a range of ultra-thin recessed luminaires designed to replace downlight luminaires based on CFL-ni/CFL-I lamp technology. The product's attractive TCO makes it easy for customers to make the switch to LED. CoreLine SlimDownlight delivers a natural 'surface of light' effect for use in general lighting applications. It also offers instant energy savings and a much longer lifetime, making it a real value-for-money and environmentally friendly solution. Installation is easy, as the luminaire fits the same size of cut-out and has an extremely small build-in depth. InterAct Ready luminaire with integrated wireless communications to be used with InterAct gateways, sensors and software.

### Benefits

- Energy savings and longer lifetime reduce operating costs
- One-to-one replacement for conventional luminaires
- The natural 'surface of light' effect creates a comfortable, high-end look

### Features

- Diffuse light quality
- Product height of less than 50 mm: fits more ceiling types
- Surface-mounted version enables luminaire to be positioned anywhere
- Available in 1000 and 2000 lumen versions
- Choice of color temperature: 3000 and 4000 K

### Application

- General lighting in corridors
- Retail stores
- Reception areas
- Indoor circulation areas

# CoreLine SlimDownlight

## Specifications

<b>Type</b>	DN135B (recessed version)
	DN135C (surface mounted version)
<b>Ceiling type</b>	Plaster (board) ceiling
<b>Light source</b>	Non-replaceable LED module
<b>Power</b>	13 W (LED10S)
	28 W (LED20S)
<b>Luminous flux</b>	1000 or 2000 lm
<b>Correlated Color</b>	3000 K (Warm white)
<b>Temperature</b>	4000 K (Neutral white)
<b>Color Rendering Index</b>	80
<b>Median useful life L70B50</b>	50,000 hours
<b>Median useful life L80B50</b>	30,000 hours
<b>Median useful life L90B50</b>	15,000 hours
<b>Average ambient temperature</b>	+25 °C
<b>Operating temperature range</b>	0 to +35 °C

<b>Driver</b>	Separate
<b>Mains voltage</b>	230 or 240 V / 50-60 Hz
<b>Dimming</b>	No dimming
<b>Optic</b>	Round-lit with light guide
<b>Optical cover</b>	Diffuse front foil
<b>Material</b>	Housing: die-cast aluminum
	Reflector: PMMA
<b>Color</b>	White (WH)
<b>Connection</b>	Push-in connector or with pull relief
<b>Installation</b>	Fixation by means of spring fasteners (recessed version)
	Metal base plate and screws (surface mounted version)
	Individual; locking the luminaire into pre-mounted ceiling plate, delivered with the luminaire (surface mounted version)
	Through-wiring not possible

## Versions



CoreLine SlimDownlight DN135B  
recessed downlight, 1000 lumen  
version



CoreLine SlimDownlight DN135B  
recessed downlight, 2000 lumen  
version



CoreLine SlimDownlight DN135C  
surface-mounted downlight, 1000  
lumen version



CoreLine SlimDownlight DN135C  
surface-mounted downlight, 2000  
lumen version

# CoreLine SlimDownlight

## Versions



CoreLine SlimDownlight - LED  
Module, system flux 600 lm

## Product details

Small built-in height



## Application Conditions

Ambient temperature range	0 to +35 °C
Average ambient temperature	25 °C

## Approval and Application

Mech. impact protection code	IK02
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## Operating and Electrical

Input Voltage	220 to 240 V
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## General Information

Beam angle of light source	- °
CE mark	CE mark
Protection class IEC	Safety class II
Optical cover/lens type	Opal
Driver included	Yes
Emergency lighting	-
ENEC mark	-
Flammability mark	-
Gear	-
Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1 pc
Optic type	-

## Initial Performance (IEC Compliant)

Init. Color Rendering Index	>80
Luminous flux tolerance	+/-10%

## Mechanical and Housing

Color	White
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## Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1 %
Median useful life L80B50	30000 h
Median useful life L90B50	15000 h

## Application Conditions

Order Code	Full Product Name	Maximum dim level	Suitable for random switching
910503910110	DN135B LED10S/830 PSU II WH	-	Yes (relates to presence/ movement detection and daylight harvesting)
910503910111	DN135B LED10S/840 PSU II WH	-	Yes (relates to presence/ movement detection and daylight harvesting)
910503910112	DN135B LED20S/830 PSU II WH	-	Yes (relates to presence/ movement detection and daylight harvesting)
910503910113	DN135B LED20S/840 PSU II WH	-	Yes (relates to presence/ movement detection and daylight harvesting)
912401483215	DN135B LED20S/830 IA1 WH	10% (depends on dimmer, ELV)	Yes (relates to presence/ movement detection and daylight harvesting)
912401483216	DN135B LED20S/840 IA1 WH	10% (depends on dimmer, ELV)	-
910503910114	DN135C LED10S/830 PSU II WH	-	Yes (relates to presence/ movement detection and daylight harvesting)
910503910115	DN135C LED10S/840 PSU II WH	-	Yes (relates to presence/ movement detection and daylight harvesting)
910503910116	DN135C LED20S/830 PSU II WH	-	Yes (relates to presence/ movement detection and daylight harvesting)
910503910117	DN135C LED20S/840 PSU II WH	-	Yes (relates to presence/ movement detection and daylight harvesting)
910503910317	DN135B LED6S/830 PSR-E II WH	20% (depends on dimmer, ELV)	Yes (relates to presence/ movement detection and daylight harvesting)
910503910318	DN135B LED6S/840 PSR-E II WH	20% (depends on dimmer, ELV)	Yes (relates to presence/ movement detection and daylight harvesting)

## Approval and Application

Order Code	Full Product Name	Ingress protection code	Order Code	Full Product Name	Ingress protection code
910503910110	DN135B LED10S/830 PSU II WH	IP44	910503910114	DN135C LED10S/830 PSU II WH	IP20
910503910111	DN135B LED10S/840 PSU II WH	IP44	910503910115	DN135C LED10S/840 PSU II WH	IP20
910503910112	DN135B LED20S/830 PSU II WH	IP44	910503910116	DN135C LED20S/830 PSU II WH	IP20
910503910113	DN135B LED20S/840 PSU II WH	IP44	910503910117	DN135C LED20S/840 PSU II WH	IP20
912401483215	DN135B LED20S/830 IA1 WH	IP44	910503910317	DN135B LED6S/830 PSR-E II WH	IP44
912401483216	DN135B LED20S/840 IA1 WH	IP44	910503910318	DN135B LED6S/840 PSR-E II WH	IP44

## Controls and Dimming

## CoreLine SlimDownlight

Order Code	Full Product Name	Dimmable
910503910110	DN135B LED10S/830 PSU II WH	No
910503910111	DN135B LED10S/840 PSU II WH	No
910503910112	DN135B LED20S/830 PSU II WH	No
910503910113	DN135B LED20S/840 PSU II WH	No
912401483215	DN135B LED20S/830 IA1 WH	Yes
912401483216	DN135B LED20S/840 IA1 WH	Yes

Order Code	Full Product Name	Dimmable
910503910114	DN135C LED10S/830 PSU II WH	No
910503910115	DN135C LED10S/840 PSU II WH	No
910503910116	DN135C LED20S/830 PSU II WH	No
910503910117	DN135C LED20S/840 PSU II WH	No
910503910317	DN135B LED6S/830 PSR-E II WH	Yes
910503910318	DN135B LED6S/840 PSR-E II WH	Yes

### General Information

Order Code	Full Product Name	Lamp family code	Standard RAL color
910503910110	DN135B LED10S/830 PSU II WH	LED10S	Traffic white
910503910111	DN135B LED10S/840 PSU II WH	LED10S	Traffic white
910503910112	DN135B LED20S/830 PSU II WH	LED20S	Traffic white
910503910113	DN135B LED20S/840 PSU II WH	LED20S	Traffic white
912401483215	DN135B LED20S/830 IA1 WH	LED20S	-
912401483216	DN135B LED20S/840 IA1 WH	LED20S	-

Order Code	Full Product Name	Lamp family code	Standard RAL color
910503910114	DN135C LED10S/830 PSU II WH	LED10S	Traffic white
910503910115	DN135C LED10S/840 PSU II WH	LED10S	Traffic white
910503910116	DN135C LED20S/830 PSU II WH	LED20S	Traffic white
910503910117	DN135C LED20S/840 PSU II WH	LED20S	Traffic white
910503910317	DN135B LED6S/830 PSR-E II WH	LED6S	Traffic white
910503910318	DN135B LED6S/840 PSR-E II WH	LED6S	Traffic white

### Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
910503910110	DN135B LED10S/830 PSU II WH	(0.42, 0.40) SDCM <5	3000 K	77 lm/W	1000 lm
910503910111	DN135B LED10S/840 PSU II WH	(0.38, 0.38) SDCM <5	4000 K	77 lm/W	1000 lm
910503910112	DN135B LED20S/830 PSU II WH	(0.42, 0.40) SDCM <5	3000 K	71 lm/W	2000 lm
910503910113	DN135B LED20S/840 PSU II WH	(0.38, 0.38) SDCM <5	4000 K	71 lm/W	2000 lm
912401483215	DN135B LED20S/830 IA1 WH	(0.42, 0.40) SDCM <5	3000 K	71 lm/W	2000 lm
912401483216	DN135B LED20S/840 IA1 WH	(0.38, 0.38) SDCM <5	4000 K	71 lm/W	2000 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Color Temperature	Initial LED luminaire efficacy	Initial luminous flux
910503910114	DN135C LED10S/830 PSU II WH	(0.42, 0.40) SDCM <5	3000 K	77 lm/W	1000 lm
910503910115	DN135C LED10S/840 PSU II WH	(0.38, 0.38) SDCM <5	4000 K	77 lm/W	1000 lm
910503910116	DN135C LED20S/830 PSU II WH	(0.42, 0.40) SDCM <5	3000 K	71 lm/W	2000 lm
910503910117	DN135C LED20S/840 PSU II WH	(0.38, 0.38) SDCM <5	4000 K	71 lm/W	2000 lm
910503910317	DN135B LED6S/830 PSR-E II WH	(0.42, 0.40) SDCM <5	3000 K	72 lm/W	650 lm
910503910318	DN135B LED6S/840 PSR-E II WH	(0.38, 0.38) SDCM <5	4000 K	72 lm/W	650 lm

### Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
910503910110	DN135B LED10S/830 PSU II WH	13 W
910503910111	DN135B LED10S/840 PSU II WH	13 W
910503910112	DN135B LED20S/830 PSU II WH	28 W
910503910113	DN135B LED20S/840 PSU II WH	28 W
912401483215	DN135B LED20S/830 IA1 WH	27 W
912401483216	DN135B LED20S/840 IA1 WH	27 W

Order Code	Full Product Name	Initial input power
910503910114	DN135C LED10S/830 PSU II WH	13 W
910503910115	DN135C LED10S/840 PSU II WH	13 W
910503910116	DN135C LED20S/830 PSU II WH	28 W
910503910117	DN135C LED20S/840 PSU II WH	28 W
910503910317	DN135B LED6S/830 PSR-E II WH	9 W
910503910318	DN135B LED6S/840 PSR-E II WH	9 W

